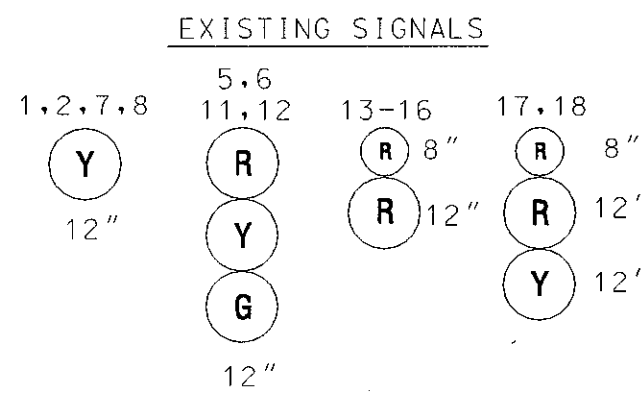


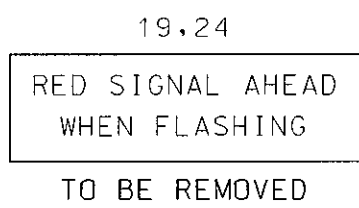
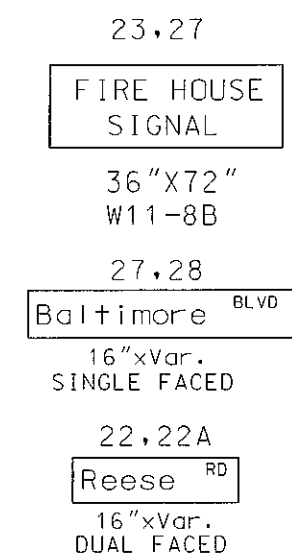
MD 140 IS CONSIDERED TO RUN IN AN EAST WEST DIRECTION.

PROJECT DESCRIPTION

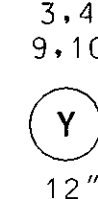
THIS PROJECT INVOLVES THE ADDITION OF 2 SIGNAL HEADS FOR EACH HIB AND THE REPLACEMENT OF THE EXISTING SIGN ON EACH HIB.



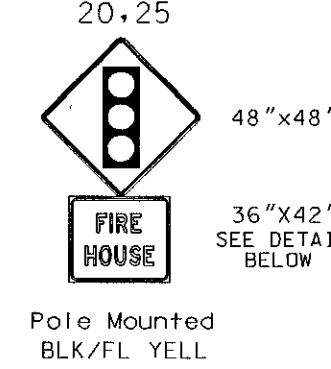
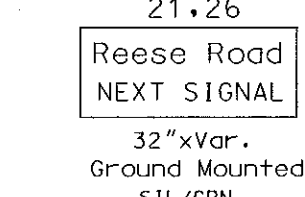
EXISTING SIGNS



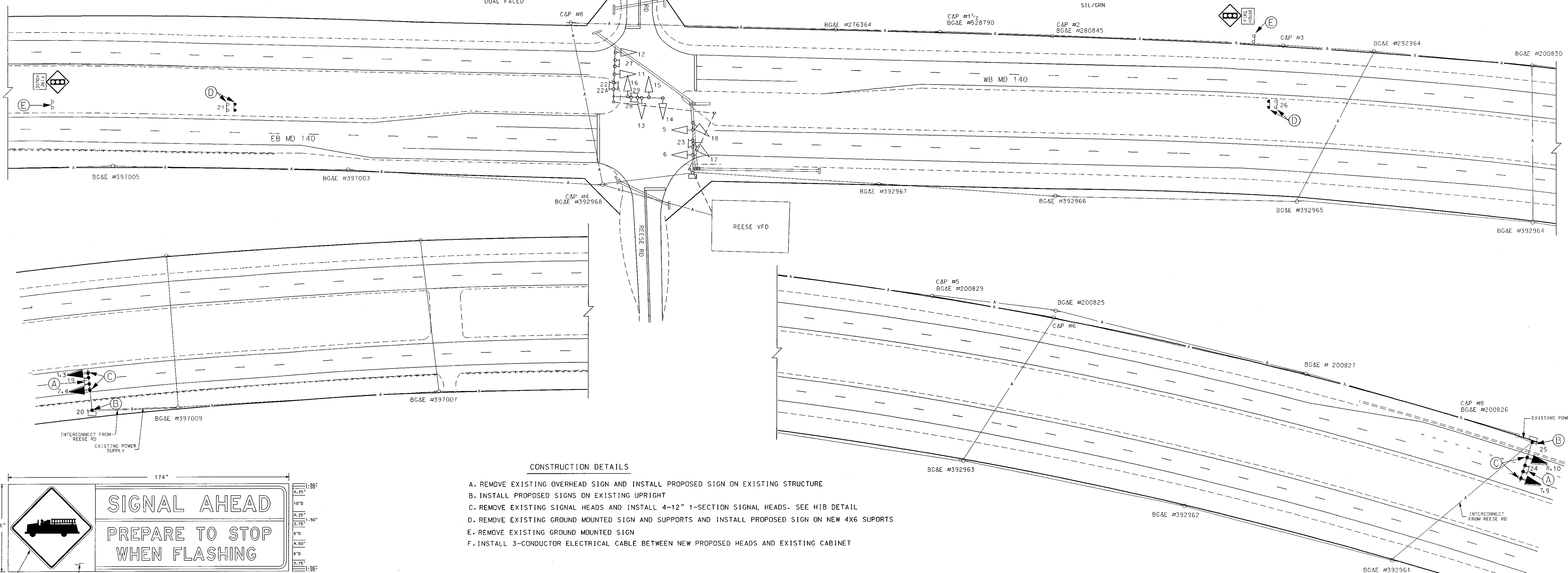
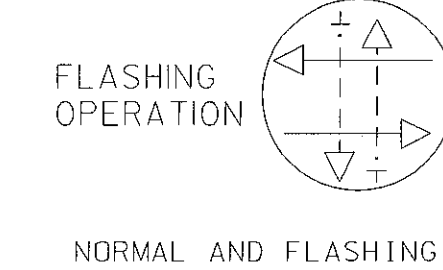
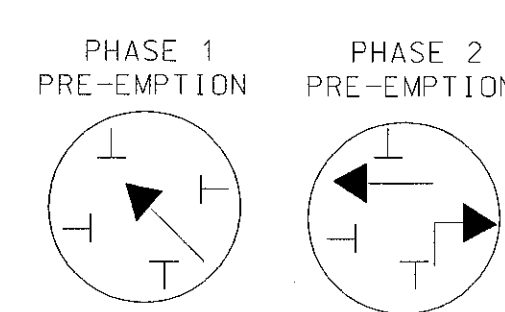
PROPOSED SIGNALS



PROPOSED SIGNS

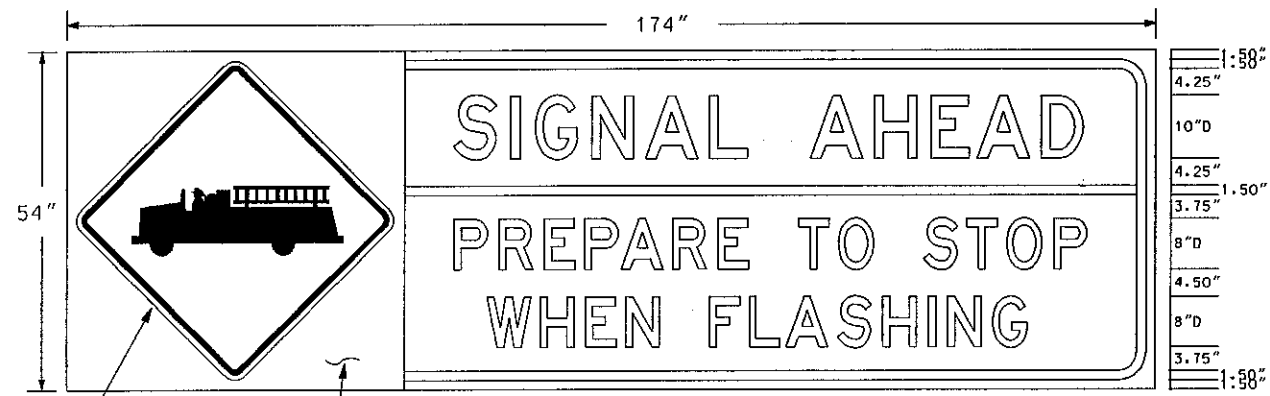


NEMA PHASING



CONSTRUCTION DETAILS

- REMOVE EXISTING OVERHEAD SIGN AND INSTALL PROPOSED SIGN ON EXISTING STRUCTURE
- INSTALL PROPOSED SIGNS ON EXISTING UPRIGHT
- REMOVE EXISTING SIGNAL HEADS AND INSTALL 4-12" 1-SECTION SIGNAL HEADS. SEE HIB DETAIL
- REMOVE EXISTING GROUND MOUNTED SIGN AND SUPPORTS AND INSTALL PROPOSED SIGN ON NEW 4X6 SUPPORTS
- REMOVE EXISTING GROUND MOUNTED SIGN
- INSTALL 3-CONDUCTOR ELECTRICAL CABLE BETWEEN NEW PROPOSED HEADS AND EXISTING CABINET



NOTE TO SIGN SHOP

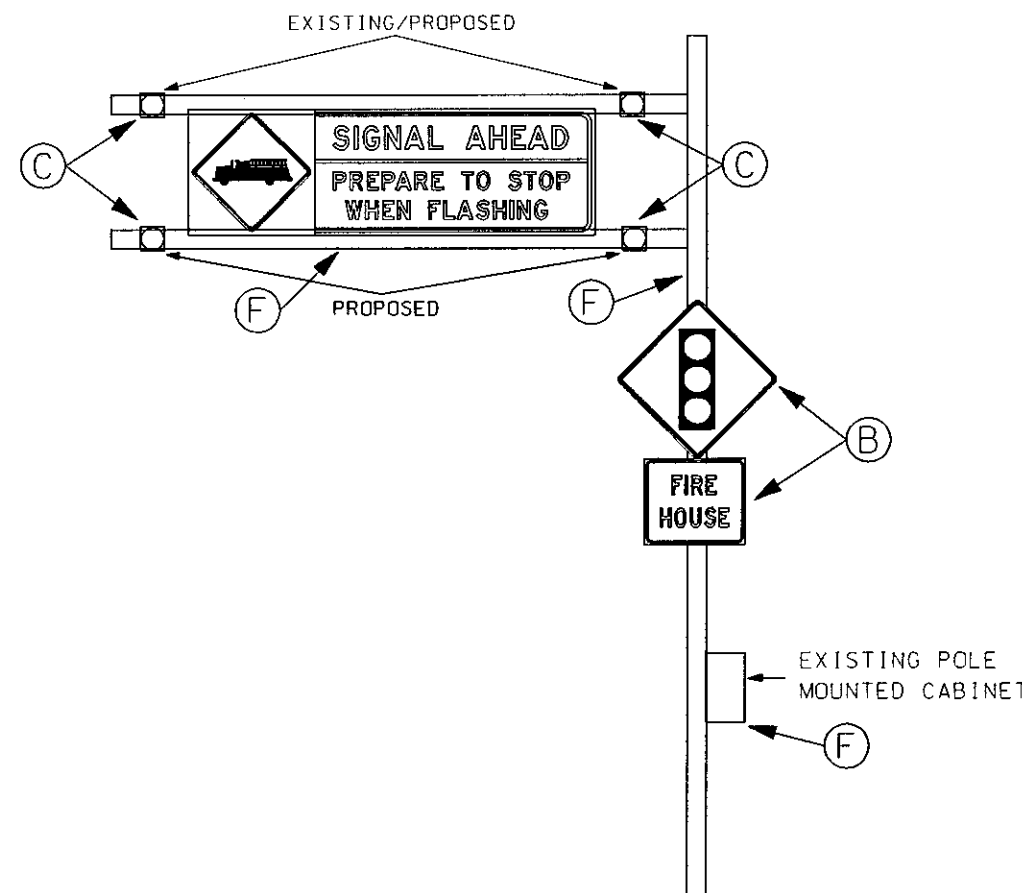
- THESE SIGNS SHOULD BE FABRICATED FOR MOUNTING ON A DOUBLE MAST ARM AS SHOWN IN THE HIB DETAIL. THE SPACING BETWEEN THE 2 ARMS IS 4' AND WILL REQUIRE Z-BAR AND ROUND TUBING. ADDITIONAL TUBING MAY BE NEEDED TO SPAN BOTH ARMS TO ALLOW FOR THE ATTACHMENT WITH ASTRO-BRACKETS.

SIGNAL HEADS SHALL FLASH INTERMITTENTLY AS FOLLOWS:

- TOP LEFT WITH BOTTOM RIGHT
- TOP RIGHT WITH BOTTOM LEFT

HIB SIGN DETAIL

NOT TO SCALE



PROJECT CONTACTS

MR. ED RODENHIZER, SUPERVISOR
SIGNAL OPERATIONS SECTION
410-787-7650

MR. RICHARD DAFF, CHIEF
TRAFFIC OPERATIONS DIVISION
410-787-7630

MR. SONNY BAILEY, SUPERVISOR
SIGNAL OPERATIONS SECTION
410-787-7670

MR. JOHN CONCANNON
ASST. DIST. ENG. TRAFFIC
301-624-8141

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION

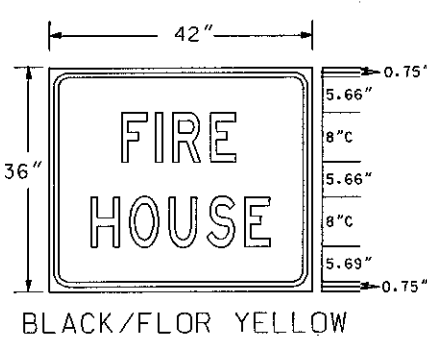
ITEM #	QUANTITY	ITEM DESCRIPTION
9570	37.25 SF	SHEET ALUMINUM GROUND MOUNTED SIGN
9571	183.5 SF	SHEET ALUMINUM MAST ARM/POLE MOUNTED SIGN

B. EQUIPMENT TO BE SUPPLIED AND/OR INSTALLED BY THE CONTRACTOR

ITEM #	QUANTITY	ITEM DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC
8014	1 EA	REMOVE AND DISPOSE OF EXISTING EQUIPMENT-PER ASSIGNMENT
8021	60 LF	WOOD SIGN SUPPORTS 4X6
8047	37.25 SF	INSTALL GROUND MOUNTED SIGN
8048	183.5 SF	INSTALL OVERHEAD SIGN
8071	8 EA	12 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION
8078	150 LF	ELECTRICAL CABLE-3-CONDUCTOR NO 14AWG

C. EQUIPMENT TO BE RETURNED TO THE ADMINISTRATION

NONE. ALL EQUIPMENT THAT IS REMOVED ACCORDING TO THE PLANS SHALL BECOME THE PROPERTY OF THE CONTRACTOR.



UTILITY LEGEND

G—G— GAS MAIN
W—W— WATER MAIN
S—S— SEWER MAIN
E—E— ELECTRIC CABLES
A—A— AERIAL CABLES
T—T— TELEPHONE CABLES

REVISIONS		APPROVALS	
A AS BUILT 3-28-78 REW JS		TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION	
B REPLACED WARNING SIGNS, ADDED SIGNAL AT REESE RD 4-21-87 PAH DJD ETP GRS TH		ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION	
C UPGRADE SIGNS ON HIB'S. ADD ADDITIONAL SIGNAL HEADS 9/03 CJS [signature]		CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION	
TMS #698		DIRECTOR, TRAFFIC & SAFETY	

DRAWN BY: J. GORDON		F.A.P. NO.		TS. NO.	
CHECKED BY: A. BUDNICHUK		S.H.A. NO.		176 C	
SCALE: 1:50		COUNTY: CARROLL		SHEET NO.	
DATE: 3-13-77		LOG MILE: 06014005.45		OF	

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
MD 140 @ REESE RD
REESE VOLUNTEER FIRE DEPARTMENT
HIB INTERCONNECT

CL722454/854
06014005.45
F698